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## **Derivation of modular anomaly equation in compact elliptic Calabi-Yau spaces**

*Monday 27 June 2016 17:30 (25 minutes)*

Modular anomaly have been discovered in topological string theory on elliptic Calabi-Yau spaces. We extend the derivation of genus zero anomaly equation for non-compact cases in the literature to compact cases. For higher genus, we derive the modular anomaly equation from BCOV holomorphic anomaly equation. Based on [arXiv:1501.04891].

### **Summary**

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**Session Classification:** Plenary session